

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P593161

Luminaire Tested: **HC625D010-HM60525850-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC625D010-HM60525850-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3053.7 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

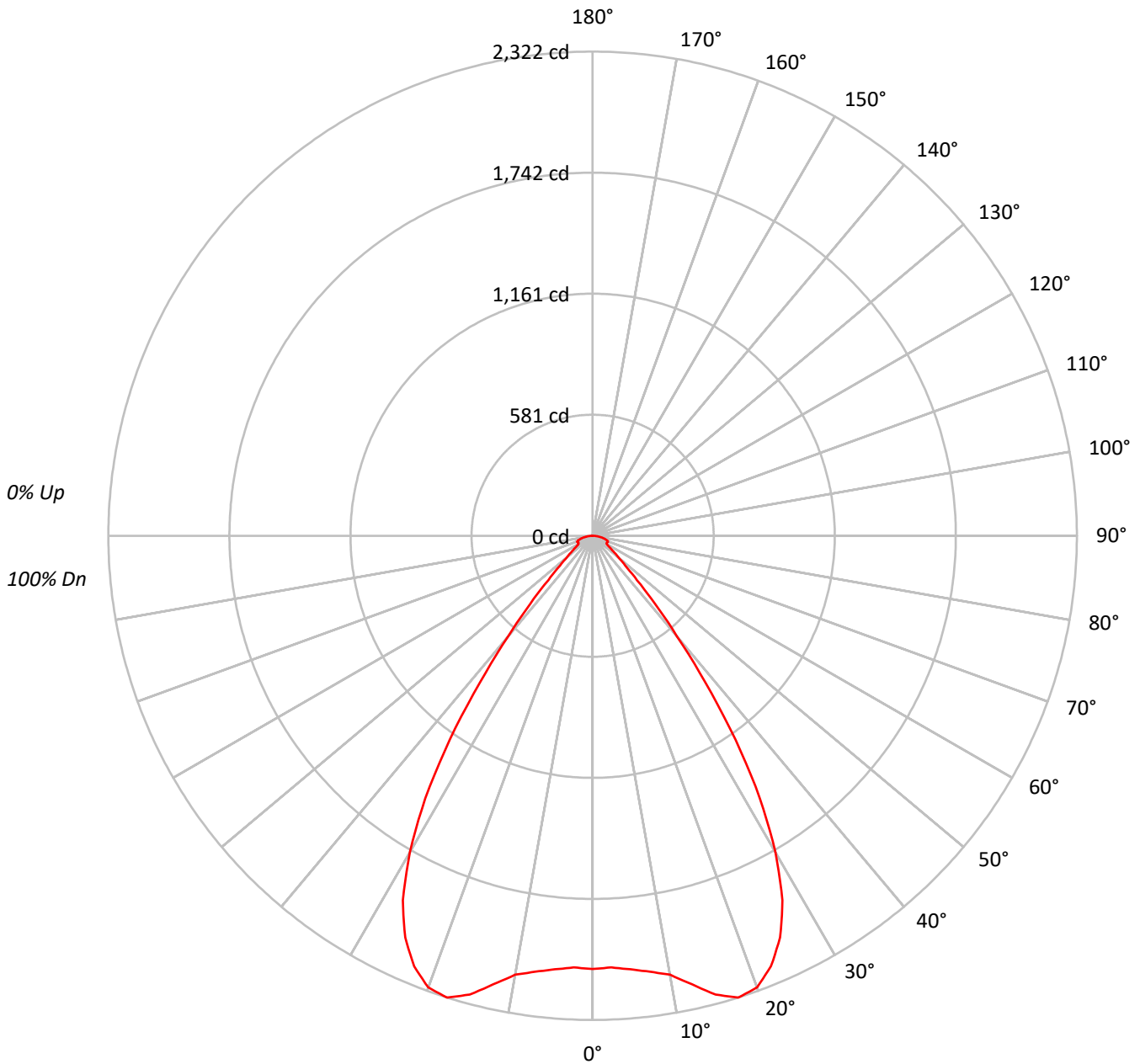
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113889
5°	114858
10°	118997
15°	129263
20°	134458
25°	128602
30°	110985
35°	79913
40°	45020
45°	23336
50°	13910
55°	10026
60°	8519
65°	9819
70°	12454
75°	13153
80°	12849
85°	12202



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.8	6.6
10°-20°	642.4	21.0
20°-30°	960.1	31.4
30°-40°	733.9	24.0
40°-50°	256.4	8.4
50°-60°	97.7	3.2
60°-70°	76.6	2.5
70°-80°	64.8	2.1
80°-90°	20.9	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1803.4	59.1
0°-40°	2537.3	83.1
0°-60°	2891.4	94.7
0°-90°	3053.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3053.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2078	
5°	2087	201
15°	2278	642
25°	2126	960
35°	1194	734
45°	301	256
55°	105	98
65°	76	77
75°	62	65
85°	19	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2077.5
2.5°	2071.7
5°	2087.2
7.5°	2108.5
10°	2137.7
12.5°	2203.8
15°	2277.6
17.5°	2322.2
20°	2304.8
22.5°	2234.9
25°	2126.1
27.5°	1970.7
30°	1753.3
32.5°	1493.1
35°	1194.1
37.5°	885.4
40°	629.1
42.5°	440.8
45°	301.0
47.5°	211.6
50°	163.1
52.5°	128.2
55°	104.9
57.5°	85.5
60°	77.7
62.5°	75.7
65°	75.7
67.5°	79.6
70°	77.7
72.5°	71.8
75°	62.1
77.5°	52.4
80°	40.7
82.5°	29.1
85°	19.4
87.5°	7.8
90°	0.0



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— 0°-180°







(END OF REPORT)